Single Nucleotide Polymorphism

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SNP linked to Gene CSNK1D(geneID:1453) Via Contig Annotation

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Gene Model (mRNA alignment) information from genome sequence

Total gene model (contig mRNA transcript): 5

mrna	transcript	protein	mrna orientation	Contig	Contig Label	List SNP
NM_001893.3	minus strand	NP_001884.2	reverse	NT_010663.14	reference	<- currently shown
NM_001893.3	minus strand	NP_001884.2	reverse	NW_001838459.1	HuRef	View snp on GeneModel
NM_139062.1	minus strand	NP_620693.1	reverse	NT_010663.14	reference	View snp on GeneModel
NM_139062.1	minus strand	NP_620693.1	reverse	NW_926918.1	Celera	View snp on GeneModel
NM_139062.1	minus strand	NP_620693.1	reverse	NW_001838459.1	HuRef	View snp on GeneModel

☐ Include clinically associated ⦿ in gene region ◯ cSNP ◯ has frequency ◯ double hit [refresh]

gene model (contig mRNA transcript):	Contig Label	Contig	mrna	protein	mrna orientation	transcript	snp count
	reference	NT_010663.14	NM_001893.3	NP_001884.2	reverse	minus strand	145, all

Color Legend

Region	Contig position	mRNA pos	dbSNP rs# cluster id	Hetero-zygosity	Validation	3D	Clinically Associated	Function	dbSNP allele	Protein residue	Codon pos	Amino acid pos
3' near gene	414490		rs5822474	N.D.				3' near gene	-/G			
	414491		rs5822475	N.D.				3' near gene	-/G			
	414493		rs4991053	N.D.				3' near gene	C/G			
	414505		rs5822476	N.D.				3' near gene	-/CTC			
	414506		rs34637972	N.D.				3' near gene	-/CTC			
	414510		rs5822477	N.D.				3' near gene	-/CCT			
	414511		rs33972232	N.D.				3' near gene	-/CCT			
	414591		rs35842755	N.D.				3' near gene	A/C			

	414911		rs60165714 N.D.		3' near gene	A/G	
	414988		rs12444 0.113		3' near gene	C/T	
	415587		rs35193351 N.D.		3' near gene	-/T	
	415820		rs59078201 N.D.		3' near gene	G/T	
	416295		rs34824255 N.D.		3' near gene	-/T	
exon_9	416349	1979	rs1130792 N.D.		3' UTR	A/G	
	416382	1946	rs1804578 N.D.		3' UTR	C/T	
	416514	1814	rs1804577 N.D.		3' UTR	G/T	
	416811	1517	rs2242638 N.D.		missense	C	Ala [A] 1 461
					contig reference C	Pro [P] 1 461
intron_8	417280		rs5822478 N.D.		intron	-/GC	
	417285		rs5822479 N.D.		intron	-/CG	
	417309		rs4325623 N.D.		intron	C/G	
	417310		rs4578719 N.D.		intron	C/G	
	417362		rs61382443 N.D.		intron	A/G	
	417374		rs3924256 0.024		intron	A/G	
	417487		rs5822480 N.D.		intron	-/G	
	417584		rs5822481 N.D.		intron	-/G	
	418268		rs5822482 N.D.		intron	-/C	
	418358		rs5822483 N.D.		intron	-/C	
	418410		rs5822484 N.D.		intron	-/C	
	418487		rs35906846 N.D.		intron	-/C	
	418513		rs5822485 N.D.		intron	-/G	
	418908		rs34957437 N.D.		intron	-/C	
	419500		rs7501982 N.D.		intron	A/G	
	419808		rs58453676 N.D.		intron	A/G	
	419820		rs4510078 0.019		intron	A/G	
	419831		rs34714257 N.D.		intron	-/A	
	419945		rs4580247 N.D.		intron	A/T	
	420307		rs5822486 N.D.		intron	-/G	
	420403		rs35966116 N.D.		intron	-/G	
	420440		rs5822487 N.D.		intron	-/G	
	420570		rs5822488 N.D.		intron	-/G	
exon_8	420902	1469	rs2242637 N.D.		missense	T	Tyr [Y] 1 385
					contig reference G	Asp [D] 1 385
	420905	1466	rs2272884 N.D.		missense	G	Ala [A] 1 384

						contig reference	T	Ser [S] 1	384
	420931	1440	rs5822480	N.D.		frame shift	-	2	375
						contig reference	G	Arg [R] 2	375
	420936	1435	rs4996483	N.D.		synonymous	T	Leu [L] 3	373
						contig reference	G	Leu [L] 3	373
	420978	1393	rs17849709	N.D.		synonymous	T	Pro [P] 3	359
						contig reference	C	Pro [P] 3	359
exon_7	421472	1315	rs1140432	N.D.		synonymous	G	Arg [R] 3	333
						contig reference	C	Arg [R] 3	333
	421482	1305	rs1140434	N.D.		missense	A	Asp [D] 2	330
						contig reference	C	Ala [A] 2	330
	421559	1228	rs60006556	N.D.	Yes	synonymous	T	Ala [A] 3	304
						contig reference	C	Ala [A] 3	304
	421584	1203	rs36110961	N.D.		frame shift	-	2	296
						contig reference	G	Gly [G] 2	296
intron_6	421784		rs4078286	N.D.		intron	A/G		
	422099		rs7406428	0.281		intron	A/G		
	422189		rs57181997	N.D.		intron	A/C		
	422863		rs34753068	N.D.		intron	C/T		
	422920		rs36072880	N.D.		intron	-/G		
	423040		rs31653735	0.095		intron	C/T		
exon_6	423368	1195	rs1130772	N.D.	Yes	synonymous	T	Leu [L] 3	293
						contig reference	C	Leu [L] 3	293
	423389	1174	rs56181605	N.D.	Yes	synonymous	T	Tyr [Y] 3	286
						contig reference	C	Tyr [Y] 3	286
intron_5	423699		rs7406962	N.D.		intron	C/T		
	423775		rs7406379	N.D.		intron	C/T		
intron_4	424985		rs4523986	N.D.		intron	C/G		
	424986		rs4325624	N.D.		intron	C/G		
exon_4	425081	799	rs39058840	N.D.		frame shift	G	Thr [T] 3	161
						contig reference	-	3	161
intron_3	425798		rs5822490	N.D.		intron	-/GA		
	425958		rs58473912	N.D.		intron	C/G		
	426150		rs34319843	N.D.		intron	C/G		
	426161		rs35563758	N.D.		intron	C/G		

	426181		rs34604166 N.D.		intron	C/T		
	426183		rs34355167 N.D.		intron	A/T		
	426204		rs35300276 N.D.		intron	C/T		
	426246		rs55888850 N.D.		intron	A/G		
	426299		rs35943870 N.D.		intron	C/G		
	426434		rs59957055 N.D.		intron	G/T		
	426750		rs9675319 N.D.		intron	C/G		
	426876		rs9747923 N.D.		intron	C/G		
	426897		rs9747926 N.D.		intron	C/G		
	426899		rs9748190 N.D.		intron	C/G		
exon_3	427535	529	rs11552486 N.D.	Ala	synonymous	T	Cys [C] 3	71
					contig reference C		Cys [C] 3	71
intron_2	428305		rs12601586 0.324		intron	A/G		
	428368		rs34103258 N.D.		intron	-/T		
	428451		rs4789842 N.D.		intron	C/G		
	428452		rs4789843 N.D.		intron	C/G		
	428966		rs11868977 0.289		intron	A/G		
	429097		rs34032716 N.D.		intron	-/A		
	429335		rs59805448 N.D.		intron	A/C		
	429643		rs5822491 N.D.		intron	-/G		
	430187		rs36125401 N.D.		intron	-/A		
	430206		rs59994865 N.D.		intron	-/A		
	430319		rs34123796 N.D.		intron	-/TA		
	430477		rs6502091 0.270		intron	C/T		
	430725		rs4132733 N.D.		intron	C/T		
	431980		rs35319220 N.D.		intron	-/C		
	432556		rs5029180 N.D.		intron	G/T		
	432593		rs5029179 N.D.		intron	C/T		
	432613		rs5029178 N.D.		intron	C/G		
	432617		rs5029177 N.D.		intron	C/T		
	432637		rs5029176 N.D.		intron	C/G		
	432661		rs5029175 N.D.		intron	C/G		
	432685		rs5029174 N.D.		intron	C/G		
	432691		rs5029173 N.D.		intron	G/T		
	432713		rs5029172 N.D.		intron	C/T		
	432907		rs35693344 N.D.		intron	A/G		

	433073	rs11653626	N.D.		intron	C/T
	434057	rs6502092	N.D.		intron	A/G
	434402	rs6502093	N.D.		intron	G/T
	434524	rs7225270	N.D.		intron	A/C
	434899	rs7225895	N.D.		intron	A/G
	434909	rs36029791	N.D.		intron	-/A
	434934	rs58287821	N.D.		intron	G/T
	435280	rs57317145	N.D.		intron	A/G
	435292	rs3829773	0.082		intron	A/G
	435374	rs8969256	N.D.		intron	C/T
	435443	rs4789844	N.D.		intron	C/T
	435444	rs4789845	N.D.		intron	C/T
	435797	rs8074841	N.D.		intron	A/G
	436604	rs9902430	N.D.		intron	A/G
	437155	rs7213159	0.185		intron	C/T
	437175	rs7213171	N.D.		intron	C/T
	437363	rs60426077	N.D.		intron	C/T
intron_1	438390	rs12940130	N.D.		intron	C/T
	438946	rs34217638	N.D.		intron	-/G
	438959	rs11871255	N.D.		intron	C/T
	439652	rs4789846	0.240		intron	C/T
	440090	rs9907654	N.D.		intron	C/T
	441081	rs12602799	N.D.		intron	A/G
	441228	rs35194148	N.D.		intron	-/G
	442047	rs11658525	N.D.		intron	A/T
	442326	rs4072505	N.D.		intron	C/G
	442406	rs8070216	0.010		intron	A/G
	442486	rs4239013	0.019		intron	A/G
	443447	rs6416862	0.221		intron	C/T
	444319	rs34414898	N.D.		intron	-/C
	444329	rs62079482	N.D.		intron	A/G
	444330	rs6502094	N.D.		intron	A/G
	444621	rs6502095	N.D.		intron	A/G
	444740	rs7209167	0.272		intron	C/G
	445099	rs12945961	N.D.		intron	C/G
	445271	rs61623208	N.D.		intron	-/CGGGCGGCGGGCGG

exon_1	445421	260	rs11552083 N.D.		5' UTR	A/G	
	445430	251	rs11552083 N.D.		5' UTR	C/T	
exon_1	445364	317			start codon		1
5' near gene	445704		rs4313857 N.D.		5' near gene	C/T	
	445713		rs5822492 N.D.		5' near gene	-/G	
	445720		rs5822493 N.D.		5' near gene	-/C	
	445928		rs4476225 N.D.		5' near gene	C/T	
	445934		rs4580246 N.D.		5' near gene	A/T	
	446063		rs4239017 N.D.	Ħ	5' near gene	C/T	

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